

CLAIM AMENDMENTS

Claim Amendment Summary

Claims pending

- Before this Amendment: Claims 1-17, 56-61, and 70.
- After this Amendment: Claims 1-17, 56-61, and 70.

Non-Elected, Canceled, or Withdrawn claims: none.

Amended claims: 1, 56, and 70.

New claims: none.

Claims:

1. (CURRENTLY AMENDED) A method for protecting a digital good, the method comprising:

generating a fingerprint, the fingerprint being a forensic entity identifier which is uniquely associated with a unique entity and the fingerprint is also associated with a watermark, wherein an entity is capable of processing some license or other rights for a digital good;

embedding the watermark into a digital good without embedding the fingerprint.

421 West Riverside, Suite 500
Spokane, WA 99201
P: 509.324-9258
F: 509.323-8979
www.lee&hayes.com

lee & hayes

Serial No.: 09/841,159
Attr Docket No.: MS1-777us
AMENDMENT WITH REQUEST FOR CONTINUED
EXAMINATION

2

0620050858 G:\MS1-01777us\MS1-777us.m02.RCE.DOC

att: Kasey C. Christie

1 2. **(ORIGINAL)** A method as recited in claim 1, wherein the
2 generating comprises producing a short fingerprint which is approximately
3 equivalent to the fingerprint and is substantially smaller in scale than the
4 fingerprint.

5
6 3. **(ORIGINAL)** A method as recited in claim 1, wherein the
7 generating comprises:

8 producing a pseudorandom watermark carrier that is independent of the
9 watermark;

10 combining the carrier and the watermark to generate the fingerprint.

11
12 4. **(ORIGINAL)** A method as recited in claim 1, wherein the
13 generating comprises:

14 producing a pseudorandom watermark carrier that is independent of the
15 watermark;

16 amalgamating the carrier and the watermark to generate the fingerprint.

17
18 5. **(PREVIOUSLY PRESENTED)** A method as recited in
19 claim 4, wherein the amalgamating comprises deriving the fingerprint from the
20 carrier and the watermark.

21
22 6. **(PREVIOUSLY PRESENTED)** A method as recited in
23 claim 4, wherein the amalgamating comprises combining the carrier and the
24 watermark to generate the fingerprint.

1 7. (ORIGINAL) A method as recited in claim 1, wherein the
2 fingerprint is uniquely associated with the watermark.

3
4 8. (ORIGINAL) A method as recited in claim 1, wherein the
5 fingerprint is at least partially derived from the watermark.

6
7 9. (ORIGINAL) A method as recited in claim 1, wherein the
8 fingerprint is associated with a detection entity.

9
10 10. (ORIGINAL) A method as recited in claim 1, wherein the
11 fingerprint is uniquely associated with a detection entity.

12
13 11. (PREVIOUSLY PRESENTED) A method as recited in
14 claim 1 further comprising:

15 segmenting the digital good into multiple segments;

16 repeating the generating, and embedding for individual segments of the
17 multiple segments, so that a segment has a segment-associated watermark
18 embedded therein and a segment-associated fingerprint is associated with such
19 segment-associated watermark.

421 West Riverside, Suite 500
Spokane, WA 99201
P: 509.324.9256
F: 509.323.8979
www.lee&hayes.com
lee & hayes

1 12. (ORIGINAL) A method as recited in claim 1, wherein the
2 embedding produces a marked digital good, the method further comprising
3 distributing identical copies of the marked digital good to multiple detection
4 entities, wherein individual fingerprints are associated with one or more detection
5 entities.

6
7 13. (ORIGINAL) A method as recited in claim 1, wherein the
8 digital good is selected from a group consisting of digitized images, digitized
9 audio, digitized video, digitized multimedia, software applications, and media
10 signals.

11
12 14. (ORIGINAL) A modulated signal generated in accordance
13 with the acts recited in claim 1, wherein the signal has a minimum collusion
14 resistance that grows linearly with the scale of the signal.

15
16 15. (ORIGINAL) A modified signal generated in accordance with
17 the acts recited in claim 1, wherein the signal has a minimum collusion resistance
18 that grows with the scale (N) of the signal in the order of magnitude of $O(N \log N)$.

19
20 16. (ORIGINAL) A computer-readable medium having computer-
21 executable instructions that, when executed by a computer, performs the method
22 as recited in claim 1.
23
24
25

421 West Riverside, Suite 500
Spokane, WA 99201
P: 509.324.9256
F: 509.323.8979
www.leeandhayes.com
lee & hayes

Serial No.: 09/841,159
Atty Docket No.: MS1-777us
AMENDMENT WITH REQUEST FOR CONTINUED
EXAMINATION

5

0620050856 G:\MS1-0777us\MS1-777us.in02.RCE.DOC
atty: Kasey C. Christie

1 17. (ORIGINAL) A computer comprising one or more computer-
2 readable media having computer-executable instructions that, when executed by
3 the computer, perform the method as recited in claim 1.

4
5
6 Claims 18-55 are CANCELLED

7
8
9 56. (CURRENTLY AMENDED) A system for facilitating the
10 protection of digital goods, the system comprising:

11 a key generation entity configured to generate pseudorandom watermarks
12 and fingerprints, a fingerprint being a forensic entity identifier which is uniquely
13 associated with a unique entity, the unique entity being capable of processing
14 some license or other rights for a digital good;

15 a marker configured to embedded the watermark into a digital good,
16 wherein the fingerprint is not embedded into the digital good.

17
18 57. (ORIGINAL) A system as recited in claim 56, wherein the
19 key generation entity is further configured to produce a pseudorandom watermark
20 carrier that is independent of the watermark and combine the carrier and the
21 watermark to generate the fingerprint.

421 West Riverside, Suite 500
Spokane, WA 99201
P: 509.324-9256
F: 509.323-8979
www.lee&hayes.com
lee & hayes

22
23
24
25
Serial No.: 09/841,159
Atty Docket No.: MS1-777us
AMENDMENT WITH REQUEST FOR CONTINUED
EXAMINATION

6

0520050856 Q:\MS1-01777us\MS1-777us.m02.RCE.DOC
att: Kasey C. Christie

1 **58. (ORIGINAL)** A system as recited in claim 56, wherein the
2 key generation entity is further configured to produce a pseudorandom watermark
3 carrier that is independent of the watermark and coalesce the carrier and the
4 watermark to generate the fingerprint.

5
6 **59. (ORIGINAL)** A system as recited in claim 56, wherein the
7 fingerprint is associated with the watermark.

8
9 **60. (ORIGINAL)** A system as recited in claim 56, wherein the
10 fingerprint is associated with a detection entity.

11
12 **61. (ORIGINAL)** A system as recited in claim 56, wherein the
13 digital good is selected from a group consisting of digitized images, digitized
14 audio, digitized video, digitized multimedia, software applications, and media
15 signals

16
17
18 Claims 62-69 are CANCELLED

19
20
21 **70. (CURRENTLY AMENDED)** A computer-readable medium
22 having computer-executable instructions that, when executed by a computer,
23 performs the method comprising:

24 generating a fingerprint, the fingerprint being a forensic entity identifier
25 which is uniquely associated with a unique entity and the fingerprint is also

Serial No.: 09/841,159

Atty Docket No.: MS1-777us

AMENDMENT WITH REQUEST FOR CONTINUED
EXAMINATION

7

0820050858 G:\MS1-01777us\MS1-777us.m02.RCE.DOC

atty: Kasey C. Christo

1 associated with a watermark, wherein an entity is capable of processing some
2 license or other rights for a digital good;

3 embedding the watermark into a digital good without embedding the
4 fingerprint.

7 71. (CANCELLED)

10 72. (CANCELLED)

421 West Riverside, Suite 500
Spokane, WA 99201
P: 509.324-9256
F: 509.323-8979
www.leeandhayes.com
lee & hayes

Serial No.: 09/841,159
Att'y Docket No.: MS1-777us
AMENDMENT WITH REQUEST FOR CONTINUED
EXAMINATION

8

0620050856 G:\MS1-01777us\MS1-777us.m02.RCE.DOC

att'y: Kasey C. Christie